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(54) **CARBOHYDRATE PROFILE COMPOSITIONS FROM HUMAN CELLS AND METHODS FOR ANALYSIS AND MODIFICATION THEREOF**

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(58) **Field of Classification Search**

None
See application file for complete search history.

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(57) **ABSTRACT**

The invention describes methods for production of novel composition of glycans, glycomes, from human multipotent stem cells. The invention is further directed to methods for modifying the glycomes and analysis of the glycomes and the modified glycomes. Furthermore the invention is directed to stem cells carrying the modified glycomes on their surfaces.